

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Joun Ho Lee et al

GROUP ART UNIT: 2871

SERIAL NUMBER: 09/736,335

EXAMINER: Unassigned

FILED: December 15, 2000

FOR: METHOD OF MANUFACTURING A COLOR FILTER FOR IN-PLANE SWITCHING
MODE LIQUID CRYSTAL DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION

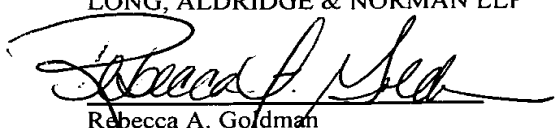
- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP


Rebecca A. Goldman
Attorney of Record
Registration No. 41,786

Sixth Floor
701 Pennsylvania Avenue, N.W.
Washington, D.C. 20004
Telephone No: (202) 624-1200
Facsimile No: (202) 624-1298
Date: March 19, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP

A handwritten signature in cursive script, appearing to read "Rebecca A. Goldman".

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Joun Ho Lee et al.

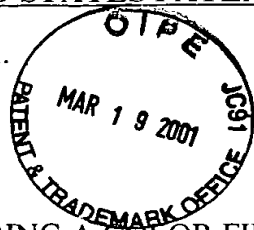
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For: METHOD OF MANUFACTURING A COLOR FILTER FOR IN-PLANE SWITCHING MODE
LIQUID CRYSTAL DISPLAY DEVICE



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RELATED CASES STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant hereby provides a list of pending U.S. applications or issued patents which may be related to the present application.

Examiner's Initial	U.S. Serial Number	Filing Date	Inventor Name	Our Ref.
_____	09/365,634	08/1999	HIROSHI	8733.20031
_____	08/880,068	06/1997	HIROSHI	8733.6642
_____	09/143,624	08/1998	SHIN et al.	8733.6663
_____	09/079,894	05/1998	SEO	8733.6665
_____	09/613,730	07/2000	HIROSHI	8733.20121
_____	09/079,895	05/1998	OH	8733.6660
_____	09/348,704	07/1999	LEE et al.	8733.6967
_____	09/134,405	08/1998	HAM	8733.6833
_____	09/149,746	09/1998	SEO	8733.6867
_____	09/235,205	01/1999	SEO et al.	8733.6901
_____	09/271,153	03/1999	SON et al.	8733.6990


Date Considered: _____

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP

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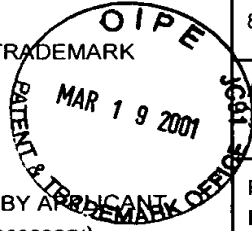

Song K. Jung
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Rebecca A. Goldman
Registration No.: 41,786

Form PTO 1449

(Modified)

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK
OFFICE



ATTY-DOCKET NO.:
8733.343.00

SERIAL NO.:
09/736,335

APPLICANT:
Joun Ho Lee et al.

LIST OF REFERENCES CITED BY APPLICANT
(Use Several Sheets if Necessary)

FILING DATE:
December 15, 2000

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2871

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,870,160	02/1999	YANAGAWA et al.	349	141	
	AB	5,886,762	03/1999	LEE et al.	349	141	
	AC	5,907,380	05/1999	LIEN	349	141	
	AD	5,910,271	06/1999	OHE et al.	252	299.01	
	AE	5,914,762	06/1999	LEE et al.	349	141	
	AF	5,946,067	08/1999	KIM et al.	349	141	
	AG	5,956,111	09/1999	OHTA et al.	349	141	
	AH	5,959,708	09/1999	LEE et al.	349	143	
	AI	5,969,782	10/1999	LEE et al.	349	141	
	AJ	5,977,562	11/1999	HIRAKATA et al.	257	72	
	AK	5,995,186	11/1999	HIROSHI	349	141	
	AL	6,005,650	12/1999	KIM et al.	349	130	
	AM	6,040,887	03/2000	MATSUYAMA et al.	349	141	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AN	09-269507	10/1997	Japan		
	AO	09-325346	12/1997	Japan		
	AP	10-319436	12/1998	Japan		
	AQ	09-105918	4/1997	Japan		
	AR	09-258269	10/1997	Japan		
	AS	97-10530	03/1997	WO		
	AT					
	AU					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AV	
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EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 8733.343.00 APPLICANT Joun Ho Lee et al. FILING DATE December 15, 2000	SERIAL NO. 09/736,335 GROUP 2871
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,737,051	04/1998	KONDO et al.	349	141	
	AB	5,742,369	04/1998	MIHARA et al.	349	123	
	AC	5,745,207	04/1998	ASADA et al.	349	141	
	AD	5,757,455	05/1998	SUGIYAMA et al.	349	129	
	AE	5,760,856	06/1998	YANAGAWA et al.	349	42	
	AF	5,760,857	06/1998	YANAGAWA et al.	349	43	
	AG	5,786,876	07/1998	OTA et al.	349	42	
	AH	5,793,459	08/1998	TOKO	349	128	
	AI	5,831,701	11/1998	MATSUYAMA et al.	349	110	
	AJ	5,841,499	11/1998	BAUR et al.	349	141	
	AK	5,852,485	12/1998	SHIMADA et al.	349	141	
	AL	5,859,682	01/1999	KIM et al.	349	124	

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AM	09-043589	02/1997	Japan		
	AN	09-043590	02/1997	Japan		
	AO	09-101538	4/1997	Japan		
	AP	09-105908	4/1997	Japan		
	AQ	09-033946	02/1997	Japan		
	AR	09-005793	1/1997	Japan		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
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EXAMINER	DATE CONSIDERED
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 8733.343.00		SERIAL NO.: 09/736,335	
LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)				APPLICANT: Joun Ho Lee et al.		RECEIVED MAR 21 2001 TECHNOLOGY CENTER 2830	
				FILING DATE: December 15, 2000			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,239,346	12/1980	LLOYD	350	334	
	AB	4,726,659	02/1988	CONRAD et al.	350	341	
	AC	5,307,189	04/1994	NISHIKI et al.	359	59	
	AD	5,321,535	06/1994	UKAI et al.	359	55	
	AE	5,459,596	10/1995	UEDA et al.	359	59	
	AF	5,464,669	11/1995	KANG et al.	428	1	
	AB	5,492,762	02/1996	HIRAI et al.	428	447	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AG	0 368 260	5/1990	Europe			
	AH	0 588 568	3/1994	Europe			
	AI	0 749 029	12/1996	Europe			
	AJ	96-32049	09/1996	Korea			
	AK	97-22458	05/1997	Korea			
	AL	98-040330	08/1998	Korea			
	AM	98-083765	12/1998	Korea			
	AN	60-158421	08/1985	Japan			
	AO	62-078532	04/1987	Japan			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AP	S. Matsumoto, "Display Characteristics of In-Plane Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. IPS TFT-LCD; Euro Display '96, pages 445-448					
	AQ	H. Wakemoto, "An Advanced In-Plane-Switching Mode", TFT-LCD, 1997 SID Digest, pages 929-932.					
	AR	M-Oh-e, "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode", Asia Display '95, pages 577-580.					
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,576,858	11/1996	UKAI et al.	359	59
	AB	5,598,285	01/1997	KONDO et al.	349	39
	AC	5,600,464	02/1997	OHE et al.	349	123
	AD	5,602,662	02/1997	ROSENBLATT et al.	349	130
	AE	5,608,556	03/1997	KOMA	349	143
	AF	5,646,705	07/1997	HIGUCHI et al.	349	143
	AG	5,686,019	11/1997	NAKAMURA	252	299.01

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
AH	04-067127	Japan		
AI	06-160878	Japan		
AJ	06-273803	Japan		
AK	07-036058	Japan		
AL	07-134301	Japan		
AM	07-225388	Japan		
AN	08-062586	Japan		
AO	09-005763	Japan		
AP	09-005764	Japan		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	M. Ohta, "Development of Super-TFT-LCDs With In-Plane Switching Display Mode", 1995, Asia Display '95, pp. 707-710.
AR	S. H. Lee, "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching", Asia Display '98, pp. 371-374.
AS	R. Kiefer, "In-Plane Switching of Nematic Liquid Crystals", Japan Display '92, pp. 547-550.

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